

DRY POWDER DOSE FILLING SYSTEMS AND RELATED METHODS

Abstract

Methods for flowably dispensing dry powders from a hopper having a
5 dispensing port and a dry powder flow path can include: (a) generating a first non-
linear vibration input signal, the first non-linear input signal comprising a plurality of
different selected frequencies that correspond to a first dry powder formulation; (b)
applying the first non-linear vibration input signal to a dispensing hopper having at
least one dispensing port while the first dry powder formulation is flowing
10 therethrough; and (c) dispensing a first metered quantity of the first dry powder through
the dispensing port to a receiving member. Related devices and computer program
products for dispensing dry powders are also described.